

A VSOP Imaging Survey

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Abstract

We are using VSOP and the VLBA to perform an imaging survey of the intensely-studied Pearson-Readhead sample. The goal of the survey is to obtain 5 GHz images of 31 sources from this well-studied sample. This would allow us to deduce the general properties of the sub-parsec nuclear regions of these objects (e. g., brightness temperature, position angle, and general morphology) and compare them to the properties of regions parsecs and kiloparsecs downstream. Such information, along with the wealth of existing supporting data for this sample, could profoundly influence models of the nuclear environment and jet dynamics.

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